Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

SBR No = 150/13-14

No. ***First & Final*** (For Other Works) Date...../...../2013

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Byatarayanapura**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional Work Code:**006-13-00008**

Schedule Docket No. Head of Account: Est.Cost: **19.98 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Drilling of Borewell and Providing Pump and Motor at Saraipalya, Nagawar and Rachenahalli SC Colony in Ward No. 06 Byatarayanapura Sub Division.**

Name of Contractor and Full Address : *Sri T Gopinathreddy, Contractor, #18, 6rd Cross, SSA Main Road, Hebbal, Bangalore-32*

Reference to Agreement No. **EE/BTP/BBMP/E-TND/37/2013-14** Date: **21.06.2013**

Certified that the measurements were taken by me on 22/10/13 and recorded of Pages **126119-126137** of measurement Book No. **1262** and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on .....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment **Sub-Division Officer**

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24

1)	Total value of work done or supplies made as per account within	2068409=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount	
	adjusted towards cash advance recovery of	
b)	Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	1814132=00

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated Signature of Contractor Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

2068409=00
2542772=00
1814132=00

Executive Engineer

Initials of Officer making payment

Sl. No.	Descriptions
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.42, I. 9.4) PRED.SR 2011-12) saraipalya**
2	nagawara
3	Rachenahalli
4	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **P. 36 / I. 9.1 PRED SR 2010-11 0 to 50M**
5	50 to 100 m
6	100 to 150 m
7	150 to 200 m
8	200 to 250 m
9	250 to 330 m
10	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) **SE PRED Approved Rate**
11	Providing 250mm dia PVC Pipe 6kg/cm **SE PRED Approved Rate**
12	Providing 175mm dia M.S Collar **SE PRED Approved Rate**
13	Providing and fixing 160mm Borewell Cap with Clamp Set H/D
14	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 20 stage. **SE RDED Approved Rate 15 HP 30 Stage**
15	17.50 HP 30 Stage
16	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008. for Newly and Additional Existing Borewells
17	Heavy Duty Collars
18	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) **2.5 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2010-11**
19	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) **(As per rate approved KUWS & DB for year 2008-09**

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	1	1994.81	**1994.81**	1.00	**1994.81**	
		1	1994.81	**1994.81**	1.00	**1994.81**	
		1	1994.81	**1994.81**	1.00	**1994.81**	
-	-	150	301.32	**45198.00**	150.00	**45198.00**	
-	-	150.00	397.91	**59686.50**	150.00	**59686.50**	
-	-	150.00	443.06	**66459.00**	150.00	**66459.00**	
-	-	150.00	487.15	**73072.50**	150.00	**73072.50**	
-	-	150.00	538.60	**80790.00**	150.00	**80790.00**	
-	-	240.00	577.45	**138588.00**	240.00	**138588.00**	
-	-	207.00	1370.12	**283614.84**	207.00	**283614.84**	
-	-	53.00	792.12	**41982.36**	53.00	**41982.36**	
-	-	9.00	157.49	**1417.41**	9.00	**1417.41**	
-	-	3.00	729.68	**2189.04**	3.00	**2189.04**	
-	-	1	54594.80	**54594.80**	1.00	**54594.80**	
-	-	2	65671.25	**131342.50**	2.00	**131342.50**	
-	-	900.00	435.71	**392139.00**	900.00	**392139.00**	
-	-	153.00	136.49	**20882.97**	153.00	**20882.97**	
-	-	2007.00	194.23	**389819.61**	2007.00	**389819.61**	
-	-	3.00	3149.70	**9449.10**	3.00	**9449.10**	

20	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides wi planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plug screws etc., **P No. 32/ I No. 2/f KPWD Electrical SR 2010-11**
21	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel te armoured cable with PVC outer sheathing 1.1 KV class.**P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrica SR 2010-11**
22	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, **P No. 69 / I No. Ia h existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11**
23	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidatin etc., complete (as per Civil SR KSRB **1-2 P-7) P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11**
24	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/dra crossing with necessary clamping arrangements for UG cable of 1.1 KV class **P. No. 70/ I No.9-A KPW Electrical SR 2010-11**
25	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessa bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 70/ I No. 1 b KPWD Electrical SR 2010-11**
26	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the met board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equ propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to th conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm d bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electric SR-1999-2000, **(P No.68, I No. 1) KPWD Electrical SR 2010-11**
27	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bol and washer etc., complete.... **P No. 32/I No 3d KPWD Electrical SR 2010-11**
28	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type approved make including cost of all materials, labour and HOM of equipments with all leads complete as pe specifications NO KBS 13.2.16 / 13.13 **Page No. 82Item No. 13.55 / PWD SR 2010-11**
29	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per direction including cost of materials, fixtures and conveyance to work spot etc., complete.
30	Supplying TPST with rewirable portelain channels in SM enclosure **PRED SR 2010-11 P.32 item No. 1b Group**
31	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charge etc coomplete
32	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement o rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading an labour charges etc complete as per specifications
33	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixin materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labou charges etc complete as per specifications
34	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof wi provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof lockin arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete bo of 21600 sqcm @ Rs.0.33 **P.No. 41, I. No. 38B KPWD Electrical SR 2010-11**
35	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenou make combined energy meter - cum- **control panel board** unit of size 600x450 x200 mm minimum mechanical strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside th door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control pane board unit suitable for operation. The panel board shall be fabricated on single unit in the above components fo suitable pumpset. **PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter**
36	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwe end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete a per specifications. Specification No. KBS 13.2.6/13.3 **(P.81/I.13.37 PWD SR - 2010-11)**
37	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduit either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressin the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lea upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5,

-	-	3.00	299.22	**897.66**	3.00	**897.66**	
-	-	146.00	157.49	**22993.54**	146.00	**22993.54**	
-	-	146	8.40	**1226.40**	146.00	**1226.40**	
-	-	117	62.99	**7369.83**	117.00	**7369.83**	
-	-	12	251.98	**3023.76**	12.00	**3023.76**	
-	-	3	272.97	**818.91**	3.00	**818.91**	
-	-	3	2047.31	**6141.93**	3.00	**6141.93**	
-	-	18	435.71	**7842.78**	18.00	**7842.78**	
-	-	3	1169.65	**3508.95**	3.00	**3508.95**	
-	-	3	211.45	**634.35**	3.00	**634.35**	
-	-	3	3202.20	**9606.60**	3.00	**9606.60**	
-	-	18	83.99	**1511.82**	18.00	**1511.82**	
-	-	3	367.47	**1102.41**	3.00	**1102.41**	
-	-	3	1049.90	**3149.70**	3.00	**3149.70**	
-	-	90450.00	0.35	**31657.50**	90450.00	**31657.50**	
-	-	3	10499.00	**31497.00**	3.00	**31497.00**	
-	-	3	1661.55	**4984.65**	3.00	**4984.65**	
-	-	175.50	223.69	**39257.60**	175.50	**39257.60**	

38	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc.**75MM 10 KSC Pvc Pipe**	Rmtr
39	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering consolidation in layers of 15 cm thick including disposing of the surplus earth with a lead of 200 meters	Cum
	Gross Total	
30	Add BESCOM Deposit to Bore Wells	
	Application Fees	
	Saraipalya Recept No.	
	Nagawara Recept No. 3285770	
	Rachenahalli SC Colony Recept No. 3285774	
	BESCOM DEPOSIT	
	Saraipalya Recept No.	
	Nagawara Recept No. 32302	
	Rachenahalli SC Colony Recept No. 30309	
	Electrical Meter	
	Saraipalya Recept No.	
	Nagawara Recept No.	
	Rachenahalli SC Colony Recept No.	
	Contractor Charges for Getting Service	
	Total BESCOM Deposit	
	Net Total Amount	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

-	-	325.00	176.38	**57323.50**	325.00	**57323.50**	
-	-	175.50	68.24	**11976.12**	175.50	**11976.12**	
				2050120.00		**2050120.00**	
				2023759=00		2023759=00	
		1	100.00	100.00		100.00	
		1	100.00	100.00		100.00	
		1	100.00	100.00		100.00	
		1	6000.00	6000.00		6000.00	
		1	6000.00	6000.00		6000.00	
		1	6000.00	6000.00		6000.00	
		1	2450.00	2450.00		2450.00	
		1	2450.00	2450.00		2450.00	
		1	2450.00	2450.00		2450.00	
				19000.00		19000.00	
				44650.00		**44650.00**	
				2094770.00		**2094770.00**	

2068409=00

2068409=00

AE-06

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ಬ.ಬ.ಮಾ.ಪಾ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24